

S 19.2 Misc / Ag

UNIVERSITY OF FLORIDA  
DOCUMENTS DEPT.

AGRICULTURAL SKILLS NEEDED BY THE PEACE CORPS

MAY 1965

U.S. REPORT

The following list of agricultural skills, with brief descriptions of duties, is taken from project requests now being filled or considered by the Peace Corps. Many variations on these job descriptions may be expected as more agricultural requests come in from other countries. The omission of a particular agricultural specialty from this list does not mean that people so trained are not desired. The Peace Corps will welcome applications from all persons experienced or trained in farm skills, whether or not college graduates.

#### Agricultural Economist

College trained, to set up crop reporting procedures, marketing record-keeping, sales and income data keeping, ability to demonstrate and teach in field of farm economics, crop marketing; set up economic plans for small farmers or cooperatives.

#### Agricultural Engineer

BS degree in agricultural engineering or Masters who has specialized in agricultural machinery. Able to operate, repair agricultural machinery, teach courses in care and maintenance of same, plan simple assembly lines and production of agricultural implements. Able to do research on impact of new machine methods on primitive agricultural economy, through experiment and conclusions therefrom. Also: assistant lecturer or instructor for Faculty of Agriculture.

#### Agricultural Extension

Ability to work in and teach all fields of General Agriculture--Agronomy, Animal Husbandry, Horticulture, etc.

- (A) 4-H Club Leaders - Male or female; persons with experience in club activities, rural, in 4-H, FFA, or FHA, or similar school-connected rural club work, 4-H show project work.
- (B) Health Education - Familiar with methods of sanitation applicable in rural areas, vaccination practices, first-aid, hygiene, malaria control, and control of communicable diseases.
- (C) Home Demonstration - Able to apply all usual farm and rural home techniques and teach canning, food preservation, storage, child care, nutrition, garment-making, sanitation and other home economic practice.

#### Agricultural Teacher

Professional agriculturist able to teach methods of agriculture, general secondary school level; prefer man who has taught vocational agriculture in U.S. school or college. Non-professional with strong farm youth club background plus practical experience who can develop educational materials and training aids and do demonstration

#### Agronomist

To operate sprinkler-irrigated farm plots on experimental farm; apply trial farming methods to indigenous farms. BS degree and/or substantial background in forages, pastures, and grain crops, along with soil management knowledge. Instructor in agronomy with BS degree, MS if possible, to instruct in all phases of agronomy, using practical demonstrations as a teaching aid.

#### Animal Husbandman

Professional; should have background in all phases of livestock handling, in feeding, breeding, selection and management (including workable knowledge of goats, rabbits, if possible). Should also have knowledge of soil conservation. Knowledge of veterinary practices also advantageous, along with ability to teach the above-mentioned.

Non-professional; those experienced in practical work with all types of farm livestock; ex., 4-H, FFA, etc.

Carpenter - Rural

Able to build simple farm structures, animal sheds, fences, corrals, etc.

Constructor - Rural (earth materials)

Man familiar with building with clay or earth materials and also able to construct village drainage and sanitation systems; sufficient academic background to enable man to convert practical experience to applicable programs for the village level.

Dairyman - Dairy Specialist (processing)

Professional; thoroughly conversant with modern dairy operation; able to plan and operate small modern facility--order equipment therefor, and supervise and build dairy buildings; knowledge of milk standards, hygiene, pasteurization, etc.

Non-professional; good practical background dairy work, as job, or through farm club work.

Diesel Engine Mechanic

Familiar with diesel equipment used in agriculture; able to maintain and repair; teach other mechanics.

Earth-Moving Machine Operators

Men experienced in operating bulldozers or heavy farm tractors; shovel and grader experience would be added qualification, but not essential.

Entomologist

Professional; BS degree; junior research technician to work at Agricultural Institute under supervision of senior staff.

Farm Background - General

Practical experience in operating a family farm; inclination and suitability to teach basic farm skills.

Farm Implements Production

(see Agricultural Engineer)

Farm Machinery Mechanic

To operate and repair farm machinery, teach others to operate, repair and maintain.

Forester

Professional; able to plan and supervise reforestry projects or work on same under supervision. Non-professional; men with experience in forestry, logging, tree planting, grove work.

Foundry Technician

Man able to set up and operate small foundry to produce agricultural tools and parts.

Horticulture Teacher

Teaching assistant who will instruct and give practical demonstrations at a school of agriculture, working with fruits and vegetables. BS degree acceptable, MS degree preferred.

Hydrology

Agriculture Engineer with BS degree. Discovery of, planning for, and use of water resources for: agriculture, including working with water sources (ponds, streams, etc.), irrigation, and drainage; and/or domestic supply, including water sources (wells, ponds, dams) and pumping equipment.



Land Classification Specialist

Professional; able to classify land by field surveys to determine its best and possible uses with reference to indigenous agriculture and possible new agricultural uses; able to train land classifiers. Non-professional; general agriculture-trained people able to do land classification under supervision.

Machinist - Farm Equipment Shop

Skilled in use of lathe, drill press, milling machine, machine shop hand tools; background in small non-production machine shop in agricultural area would be best; able to improvise in absence of sophisticated tools; knowledge of metals, etc.

Plant Pathologist

Professional; BS degree; junior research technician to work under senior staff at Agricultural Institute; also junior instructor or assistant lecturer for Faculty of Agriculture.

Plant Physiologist

Professional; BS degree; junior research technician (as above).

Poultry Husbandman

Background in management, breeding, selection, and feeding of project-donated poultry. BS degree in poultry husbandry, if possible; BS degree in agriculture, if strong background is available in poultry management. Know-how in field of commercial poultry management would be of value.

Recreation Director

Able to organize groups for community participation in projects; leader of group, planner of community activities in farm villages.

Road Worker - Rural

Able to build, repair and maintain rural roads; familiar with road "blade" or bulldozer, ditching, draining, culvert work.

Soil Chemist

Professional; BS degree; junior research technician to work at Agricultural Institute.

Soil Physicist

Professional; BS degree instructor, junior, or assistant lecturer for Faculty of Agriculture.

Welder - Farm Machinery

Arc and acetylene welder; should be expert at burning, welding with torch possibly will be required to use forge; should have experience, above all, in welding heavy iron machinery parts; experience in tempering and case hardening would be very valuable.

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